

COMPARATIVE ANALYSIS OF BANK HEALTH LEVEL USING RGEC METHOD DURING AND POST COVID-19 PANDEMIC (Study Case At Bank BNI and Bank CIMB Niaga)

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ABSTRACT

This study aims to analyze the comparison of the health levels of BNI banks and CIMB Niaga banks during and after the covid-19 pandemic. The research period used was 2021 when the covid-19 pandemic took place and 2023 after the pandemic. The research method used is descriptive research with a quantitative approach. The population in this study were banks listed on the IDX (Indonesia Stock Exchange) from 1989 to 1996. Sample selection using purposive sampling method. The selected samples are Bank BNI and Bank CIMB Niaga. The data processed in this study are secondary data in the form of annual reports of each bank. Data analysis using the RGEC method. The results of this study indicate that the health level of Bank BNI and Bank CIMB Niaga during and after the co-19 pandemic is ranked 1st with a very healthy description, this indicates that the condition of the two banks is able to face significant negative effects from changes in business conditions and other external factors.

Keywords: Covid -19, Bank Health Level, RGEC, Bank BNI, Bank CIMB Niaga

INTRODUCTION

Covid-19 pandemic in Indonesia occurred month March 2020, during the pandemic government experience challenge the biggest Because incident This Not yet Once happen And on the other hand This give impact big especially on field health until field economy . In step prevent the occurrence spread of the virus further wide the Indonesian government enforces policies that actually hinder And bother growth economy in Indonesia. With the progress of the PSBB and PPKM policies that created it activity public decrease cause decline activity business , performance industry And activity consumption in the sector House stairs . Remembering that House ladder own role important in pillar main economy . Weakening economy Also bring disturbance on sector banking , especially on activity intermediation finance banking And implementation policy monetary .

On Wednesday (21/06/2023) President in a way official to announce lifting of the Covid-19 pandemic status in Indonesia. Growth economy post pandemic return increase especially on sector banking . On activity economy back to normal like this is a bank too must have capable policy assist the bank in restructuring in accordance situation . This is only Can done by a healthy bank , then from That in Bank Indonesia Regulation Number 13/1/PBI/2011 dated 5 January 2011 concerning Health Level Assessment of Commercial Banks explain that banking must do evaluation level good bank health in a way individual and also consolidation using approach risk (Tim Informasi Hukum, 2011). By because that , the bank must still guard And restore level his health .

Ranking Bank health is created using report finances that have been published . Assessment the health of this bank Also useful in implementing Good Corporate Governance and For face risks in the future come . In evaluate bank health has determined government through Bank Indonesia. Based on (PBI No.13/1/PBI/2011) and (PJOK No.4/PJOK.03/2016) regarding Evaluation Level General Bank Health use method *Risk-Based Bank Rating* (RBBR). Method *Risk-Based Bank Rating* (RBBR) is policies issued government as tool evaluation level bank health which is refinement from CAMELS method . Factors that become evaluation level bank health for commercial banks is Profile Risk (*Risk Profile*), *Good Corporate Governance*, Profitability (*earnings*) , and Capital that can abbreviated become RGEC (Syaiedah, 2017) .

BNI Bank is a bank that experiences this the worst loss among other banks at the moment the beginning of the Covid-19 pandemic , with acquisitions profit 2020 down in a way significant in numbers Rp . 3.3 Trillion from in 2019 amounted to Rp . 15.38 trillion . The decline BNI Bank 's profit due to decline income flower loan down 4.0% YoY For provide restructuring stimulus credit on Corporations , up to Consumer And Debtor (Sidik, CNBC Indonesia, 2021). Apart from Bank BNI, there is Bank CIMB Niaga Also experience decline during the pandemic . CIMB Niaga Bank take notes profit in 2020 experienced 44.79% YoY decline in numbers Rp . 2.01 Trillion from in 2019 amounted to Rp . 3.64 trillion . The decline that occurred at Bank CIMB Niaga because of mark income clean this bank down 0.77% YoY , followed by by income flower Also down 21.23%, ROA (Return On Asset) down 1.06%, and ROE (Return On Equity) also down to 9.03% YoY (Wareza, 2021).

Objective from study This is For compare level health of Bank BNI and Bank CIMB Niaga reviewed from method *RGEC* . Research This important For realized use help all public or *stakeholders* related in the process of selecting a healthy bank Good in perception finance until order manage his company .

LITERATURE REVIEW

According to Hayat, et al (2021:67) Report finance is results end from the accounting process , where in the process all transactions that occur will recorded , classified , summarized For Then arranged become a report finance . According to Sujarweni (2017:76), in his book explain eight condition main from report finance that is can understood , relevant , reliable , can compared to , have Power test , neutral , precise time , and complete . According to Kasmir (2016:11) Purpose making or compilation report finance is give information about type And amount assets (property), giving information type And amount obligation , giving information type And amount income , giving information type And amount cost incurred company , giving information changes that occur to assets , liabilities , and capital, giving information performance management company , giving information notes on report finance , and information finance others . Based on Letter Circular Authority Service Finance Number 14/SEOJK.03/2017 concerning Assessment of the Health Level of General Banks , a bank will do evaluation level health by using method *RGEC* .

Coverage *RGEC* consists of from evaluation factor *Risk Profile* , *Good Corporate Governance* , *Earnings* , and *Capital* . Assessment factor Profile Risk or *Risk Profile* is evaluation on risk inherent And quality implementation management risk in activity Bank Operations . *Risk Profile* will calculated with risk credit And risk liquidity . Risk credit is risks that arise consequence failure other parties in fulfil obligation to the bank. Risk liquidity is risk consequence the bank's inability to fulfil obligations due from source funding current cash , and / or from asset liquid that can pledged .

Evaluation factor order manage is evaluation to quality top bank management implementation GCG principles . On its implementation , its rules manage company has five principles that are used as runway main thing to be able to well formed . Here are five principles the :

- a. Transparency .
- b. Accountability .
- c. Not quite enough Answer .
- d. Independence .
- e. Fairness And equality .

Evaluation factor profitability covering evaluation to performance profitability , resources profitability , sustainability profitability (*earnings sustainability*), and management profitability . Factors profitability done by using ratio *ROA* And *NIM* . *ROA* is the ratio that shows ability from invested capital in overall assets For produce profit (Santoso , 1995:97). *NIM* is ratio used For measure amount income flower clean a bank (Santoso , 1995:98). Assessment on factor capitalization covering evaluation to adequacy capitalization And adequacy management capitalization .

As for stages framework conceptual in analyze method *RGEC* Bank BNI and Bank CIMB Niaga can depicted as following :

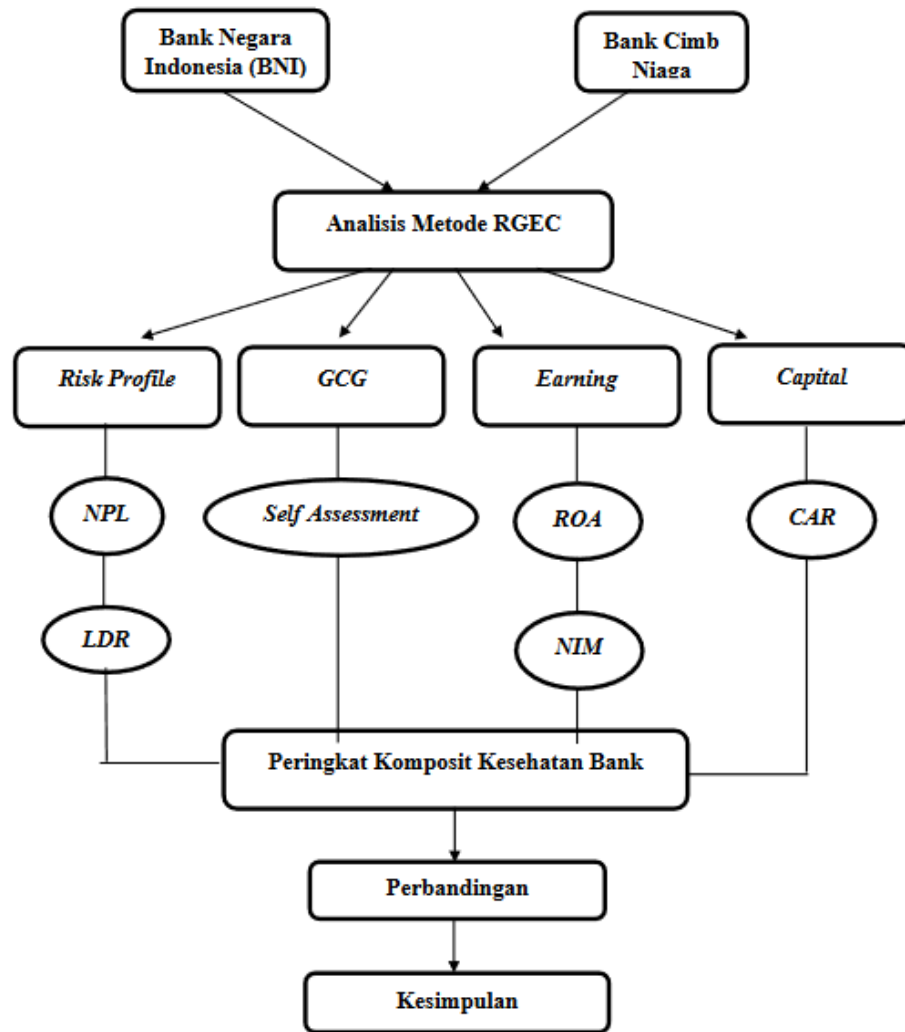


Figure 1. Conceptual Framework

RESEARCH METHODS

Population study This is banking listed on the IDX on 1989 – 1996. Sample selection was determined based on method *purposive sampling*. As for criteria for banks used sample is companies that meet a number of criteria This : banks registered with the IDX in 1989 – 1996, banks that issued report his finances during 2021 – 2023, banks that experience decline profit clean during the pandemic covid – 19 2020 , wrong one bank that will investigated is a bank that includes state-owned banks and private banks the biggest second in Indonesia. Sample on study This are Bank BNI and Bank CIMB Niaga . Type study This is study descriptive approach quantitative . According to Krisyantono (2014:78), research descriptive is research designed For collect descriptive data characteristics of people, events , or situation . According to Arikunto (2006:12) research quantitative is research that uses number start from data collection , interpretation against the data , and appearance from the results . The data used in study This is secondary data , in the form of ratios BNI Bank finance and CIMB Niaga Bank the 2021 – 2023 period which has audited And has published . Identification variable study This There is *Risk profile* with ratio NPL and

LDR , *Good Corporate Governance* with *self assessment*, *Earnings* with ROA and NIM ratios , and *Capital* with CAR ratio . Method research data collection This use documentation and literature study. According to Ruslan (2016:57) documentation is matters relating to activities collect , process , select And analyze Then evaluate all data, information And document about a activities , events or work certain published Good via electronic media and also print And Then saved in a way regular And systematic . According to Sugiyono (2017:291) explains studies library related with study theoretical And other references related to values , culture , and developing norms on situation social researched . While the data analysis method uses the *RGEC method* with the following ratio:

1. *Risk Profile*

a. *NPL*

Calculation process risk credit with ratio *NPL* utilise mark credit problematic and the total credit owned by the bank in period certain with the following formula:

$$NPL = \frac{\text{Kredit Bermasalah}}{\text{Total Kredit}} \times 100\%$$

Source : SE.BI.No.13/24/DPNP/2011

Table 1. Weight Ranking *NPL*

Ranking	Weight (%)	Information
1	NPL < 2%	Very Healthy
2	2% ≤ NPL < 5%	Healthy
3	5% ≤ NPL < 8%	Enough Healthy
4	8% ≤ NPL < 12%	Not enough Healthy
5	NPL ≥ 12%	No Healthy

Source : Codification Bank Health Level Assessment

b. *LDR*

Calculation *LDR* utilize the total credit distributed and third party funds the third one is has accepted with the following formula:

$$LDR = \frac{\text{Total Kredit}}{\text{Dana Pihak Ketiga}} \times 100\%$$

Source : SE.BI.No.13/24/DPNP/2011

Table 2. Weight Ranking *LDR*

Ranking	Weight (%)	Information
1	50% < LDR ≤ 75%	Very Healthy
2	75% < LDR ≤ 85%	Healthy
3	85% < LDR ≤ 100%	Enough Healthy
4	100% < LDR ≤ 120%	Not enough Healthy
5	LDR > 120	No Healthy

Source : Codification Bank Health Level Assessment

2. *Good Corporate Governance*

Based on letter OJK circular NO.14/SEOJK.03/2017, assessment to *GCG* done by using results *Self Assessment* that has been done by each bank is associated with a weight as following :

Table 3. Weight Ranking GCG

Ranking	Information
1	Very Healthy
2	Healthy
3	Enough Healthy
4	Not enough Healthy
5	No Healthy

Source : Letter OJK Circular No. 14/SEOJK.03/2017

3. *Earnings*

a. *ROA*

Calculation *ROA* will utilise profit before tax and average total assets with the formula as following :

$$ROA = \frac{\text{Laba sebelum pajak}}{\text{Rata – rata total aset}} \times 100\%$$

Source : SE.BI.No.13/24/DPNP/2011

Table 4. Weight Ranking ROA

Ranking	Weight (%)	Information
1	ROA > 1,450%	Very Healthy
2	1.215% < ROA ≤ 1.450%	Healthy
3	0.999% < ROA ≤ 1.215%	Enough Healthy
4	0.765% < ROA ≤ 0.999%	Not enough Healthy
5	ROA ≤ 0.765%	No Healthy

Source : Codification Bank Health Level Assessment

b. *NIM*

Calculation *NIM* referring to on income flower clean and average total assets productive with formula as following :

$$NIM = \frac{\text{Pendapatan Bunga Bersih}}{\text{Rata – rata Aktiva Produktif}} \times 100\%$$

Source : SE.BI.No.13/24/DPNP/2011

Table 5. Weight Ranking NIM

Ranking	Weight (%)	Information
1	NIM > 3%	Very Healthy
2	2% < NIM ≤ 3%	Healthy
3	1.5% < NIM ≤ 2%	Enough Healthy
4	1% < NIM ≤ 1.5%	Not enough Healthy
5	NIM ≤ 1%	No Healthy

Source : Codification Bank Health Level Assessment

4. Capital

Assessments carried out from aspect *Capital* or capitalization will use ratio *CAR* in accordance with the provisions Authority Service finance with formula as following :

$$CAR = \frac{\text{Modal Bank}}{\text{Aktiva Tertimbang Menurut Risiko}} \times 100\%$$

Source : SE.BI.No.13/24/DPNP/2011

Table 6. Weight Ranking CAR

Ranking	Weight (%)	Information
1	$CAR \geq 11\%$	Very Healthy
2	$9.5\% \leq CAR < 11\%$	Healthy
3	$8\% \leq CAR < 9.5\%$	Enough Healthy
4	$6.5\% \leq CAR < 8\%$	Not enough Healthy
5	$CAR > 6.5\%$	No Healthy

Source : Codification Bank Health Level Assessment

5. Bank Health Level

Ranking composite is results the end that states ranking from health of the bank in general overall . The ratio used in study This amount to six that is *NPL*, *LDR*, *GCG*, *ROA*, *NIM*, And *CAR* . Every ratio This own mark composite maximum 5. So , in general overall mark existing composite in study This is 30. The magnitude its value is as following :

Rank 1 has value 5 (five).

Rank 2 has value 4 (four).

Rank 3 has value 3 (three).

Rank 4 has value 2 (two).

Rank 5 has value 1 (one).

Formula Ranking Composite used is as following :

$$\text{Ranking of Composite} = \frac{\text{Composite Value}}{\text{Composite Total}} \times 100\%$$

Source : SE.BI.No.13/24/DPNP/2011

Table 7. Weight Ranking Composite

Ranking Composite	Weight (%)	Information
PK-1	86 – 100	Very Healthy
PK-2	71 – 85	Healthy
PK-3	61 – 70	Enough Healthy
PK-4	41 – 60	Not enough Healthy
PK-5	0 – 40	No Healthy

Source : Codification Bank Health Level Assessment

RESULTS AND DISCUSSION

Following is discussion results study about level bank health using RGEC method on Bank BNI And CIMB Niaga Bank period 2021 – 2023 :

Table 8. Assessment of BNI Bank's Health Level 2021 – 2023

Year	Aspect Research	Ratio	Mark (%)	Ranking					Information
				1	2	3	4	5	
2021	Risk Profile	NPL	3.70		√				S
		LDR	79.7		√				S
	GCG	Self Assessment	2		√				S
	Earnings	ROA	1.4		√				S
		NIM	4.7	√					SS
	Capital	CAR	19.7	√					SS
	Mark Composite		30	10	16				26/30×100%=87%
Ranking Composite		Very Healthy							
2022	Risk Profile	NPL	2.8		√				S
		LDR	84.2		√				S
	GCG	Self Assessment	2		√				S
	Earnings	ROA	2.5	√					SS
		NIM	4.8	√					SS
	Capital	CAR	19.3	√					SS
	Mark Composite		30	15	12				27/30×100%=90%
Ranking Composite		Very Healthy							
2023	Risk Profile	NPL	2.1		√				S
		LDR	85.8			√			CS
	GCG	Self Assessment	2		√				S
	Earnings	ROA	2.6	√					SS
		NIM	4.6	√					SS
	Capital	CAR	22	√					SS
	Mark Composite		30	15	8	3			26/30×100%=87%
Ranking Composite		Very Healthy							

Table 9. Assessment of CIMB Niaga Bank's Health Level 2021 – 2023

Year	Aspect Research	Ratio	Mark	Ranking					Information
				1	2	3	4	5	
2021	Risk Profile	NPL	3.46		√				S
		LDR	74.35	√					SS
	GCG	Self Assessment	2		√				S
	Earnings	ROA	1.88	√					SS
		NIM	4.86	√					SS

	Capital	CAR	22.68	√					SS
	Mark Composite		30	20	8				28/30×100=93%
	Ranking Composite		Very Healthy						
2022	Risk Profile	NPL	2.80		√				S
		LDR	85.63			√			CS
	GCG	Self Assessment	2		√				S
	Earnings	ROA	2.16	√					SS
		NIM	4.69	√					SS
	Capital	CAR	22.19	√					SS
	Mark Composite		30	15	8	3			26/30×100%=87%
	Ranking Composite		Very Healthy						
2023	Risk Profile	NPL	1.96	√					S
		LDR	89.30			√			CS
	GCG	Self Assessment	2		√				S
	Earnings	ROA	2.59	√					SS
		NIM	4.40	√					SS
	Capital	CAR	24.02	√					SS
	Mark Composite		30	20	4	3			27/30×100%=90%
	Ranking Composite		Very Healthy						

Based on results research using the RGEC method on Bank BNI And CIMB Niaga Bank 2021 – 2023 , so obtained results analysis as following :

1. *Risk Profile*

a. *NPL*

Results evaluation Bank BNI's health in the NPL ratio has values of 3.7%, 2.8% and 2.1% on 2021 – 2023, all of which its value enter rank 2 with caption **healthy** . **On the other** hand , the level of CIMB Niaga Bank Health 2021 – 2022 is on the figure is 3.46%, and the second 2.8% mark This enter on rank 2 with caption **healthy** , while NPL value in 2023 has value of 1.96% entered on rank 1 with caption **very healthy** . This is show that both banks can guard NPL value is good , even though Bank CIMB Niaga seen more superior .

b. *LDR*

Results evaluation BNI Bank health seen from LDR ratio in 2021 – 2022 with values of 79.7% and 84.2%, both mark This enter rank 2 with caption **healthy** , while in 2023 the LDR value will enter on rank 3 with caption **Enough healthy** with a value of 85.8%. On the other hand , LDR Bank CIMB Niaga on 2021 shows 74.35% value entered rank 1 with caption **very healthy** , then 2022 – 2023 LDR shows decline mark to 85.63%, and 89.30 which is the result enter on rank 3 with caption **Enough healthy** . From the results Bank BNI's assessment in 2022 – 2023 shows existence decline LDR value , and CIMB Niaga Bank Also seen experience significant decline .

2. *Good Corporate Governance*

According to the Self Assessment carried out by Bank BNI during 2021 – 2023 obtain stable results with GCG results coming in rank 2 with caption healthy . At CIMB Niaga Bank Also conduct Self Assessment on 2021 – 2023 gets same result that is enter rank 2 with caption healthy . This is show that both banks do implementation principle order manage well .

3. *Earnings*

a. *ROA*

Results evaluation BNI Bank's health from ROA ratio 2021 have 1.4% value entered rank 2 with caption **healthy** , while on 2022 – 2023 ROA value increases to 2.5% and 2.6% which makes mark This enter rank 1 with caption **very healthy** . ROA Bank CIMB Niaga show stable results start from 2021 – 2023, namely enter rank 1 with caption **very Healthy** followed values of 1.88%, 2.16% and 2.59% which increased in a way significant . This is show large ROA value Also reflect income profit clean The same big .

b. *NIM*

Results evaluation BNI Bank's health from NIM ratio for 2021 – 2023 has values of 4.7%, 4.8% and 4.6% which are all enter rank 1 with caption **very healthy** . ROA value at Bank CIMB Niaga Also show good result from 2021 – 2023, namely enter rank 1 with caption **very Healthy** followed values of 4.86%, 4.69% and 4.40%.

4. *Capital*

Results evaluation BNI Bank health seen from CAR ratio 2021 – 2023 have values of 19.7%, 19.3%, and 22% entered rank 1 with caption **very Healthy** . CAR value at CIMB Niaga Bank show results the good thing is start from 2021 – 2023, namely enter rank 1 with caption **very Healthy** followed values of 22.68%, 22.19% and 24.02% which increased in a way significant in 2023.

5. *Bank Health Level through Ranking Composite*

Results evaluation from ranking composite that has been counted at Bank BNI in 2021 – 2023 get very good results good with total value composite 87%, 90% and 87%. All mark composite This enter on PK-1 with the following information **very healthy** . On the other hand the results ranking composite obtained start 2021-2023 starts with the numbers 93%, 87% and 90% respectively This show that CIMB Niaga Bank Also enter PK-1 with information **very healthy** . This is Can interpreted that these two banks capable face influential impact negative Good from internal and external factors externally very Good .

CONCLUSION

Conclusion

Based on results analysis health at Bank Neo Commerce and Bank Jago use method *RGEC* 2019 – 2021, then Can concluded results study This is as following :

1. Study *Risk Profile* with ratio *NPL* show that Bank BNI in 2021 – 2023 received ranked 2 (Healthy) , while Bank CIMB Niaga get ranked 2 (Healthy) in 2021 – 2022 2023 gets rank 1 (Very healthy) . Research ratio *LDR* show that BNI Bank received rank 2 (Healthy) on 2021 - 2022, while for 2023 get rank 3 (enough) healthy) and for CIMB Niaga Bank 2021 got rank 1 (Very healthy) , and in 2022 – 2023 received rank 3 (less) Healthy) .

2. Study *Good Corporate Governance (GCG)* shows that BNI Bank and CIMB Niaga Bank get rank 2 (Healthy).
3. Evaluation *Earnings* with ratio *Return on Asset (ROA)* shows that Bank BNI in 2021 received ranked 2 (Healthy) and in 2022 – 2023 received rank 1 (Very healthy) on the other hand , the ROA value of Bank CIMB Niaga 2021 – 2023 gets rank 1 (Very healthy). While For ratio *Net Interest Margin (NIM)* shows that BNI Bank and CIMB Niaga Bank You're welcome to obtain rank 1 (Very Healthy).
4. Evaluation *Capital* shows that BNI Bank and CIMB Niaga Bank You're welcome get rank 1 (Very Healthy).
5. Results comparison level Bank health uses RGEK factors indicate that BNI Bank and CIMB Niaga Bank You're welcome get information very Healthy .

Suggestion

Through results study And the conclusion that has been obtained , then There is some suggestions that can researcher convey as following :

- a. Researcher next what you want researching about same concentration expected expand coverage his research . For example add other ratios as tool measuring from method *RGEK* is used . If the ratio plus , then expected his research will more accurate And Can trusted .
- b. People who want to use service banking Can utilise results study This For made into reference in his election . Group *stakeholders* And public expected capable choosing a quality bank And Healthy.

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